

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S73	76	(US-20060013684-\$ or US-20060250039-\$ or US-20050201861-\$ or US-20020051718-\$ or US-20050201864-\$ or US-20040202540-\$ or US-20020025253-\$).did. or (US-6149406-\$ or US-3263749-\$ or US-6132186-\$ or US-5588814-\$ or US-6030286-\$ or US-6447265-\$ or US-6514052-\$ or US-2142307-\$ or US-2800272-\$ or US-RE37261-\$ or US-5403163-\$ or US-6093000-\$ or US-4659951-\$ or US-5713730-\$ or US-4859888-\$ or US-4295803-\$ or US-6004097-\$ or US-6278209-\$ or US-6176092-\$ or US-5814908-\$ or US-6267554-\$ or US-5741123-\$ or US-5573369-\$ or US-6358011-\$ or US-6279340-\$ or US-6282746-\$). did. or (US-4406585-\$ or US-5769069-\$ or US-5324178-\$ or US-6439839-\$ or US-6210101-\$ or US-6318358-\$ or US-5803707-\$ or US-4838762-\$ or US-7217087-\$ or US-6951241-\$ or US-5803721-\$ or US-6439861-\$ or US-5370509-\$ or US-6224335-\$ or US-4883982-\$ or US-6093001-\$ or US-6030173-\$ or US-5505684-\$ or US-6042335-\$ or US-5403152-\$ or US-5464325-\$ or US-3141607-\$ or US-6769876-\$ or US-6604906-\$ or US-5988979-\$ or US-4759690-\$ or US-5685696-\$). did. or (US-5476365-\$ or US-5746577-\$).did. or (US-3141607-\$ or US-2148254-\$ or US-2258284-\$ or US-3190543-\$ or US-3274410-\$ or US-2747512-\$ or US-3194166-\$ or US-3126832-\$ or US-2800272-\$).did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-20020088213-\$ or US-6282746-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/10/29 14:19
S74	41	S73 and centrifugal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:41

## EAST Search History

S75	0	"centrifugal fan" and "length-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:42
S76	0	"centrifugal fan" and "diameter-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:43
S77	3	(fan or blower) and "diameter-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:43
S78	7	(fan or blower) and "length-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:44
S79	0	(fan or blower) and "length-radius ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:44
S80	0	(fan or blower) and "radius-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S81	0	(fan or blower) and "radius-heigh ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S82	0	(fan or blower) and "diameter-heigh ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S83	0	(fan or blower) and "heigh-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S84	0	(fan or blower) and "heigh-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S85	0	(fan or blower) and "heigh-radius ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S86	454	(fan or blower) and cantilever and ((diameter or radius) near4 (heigh or length))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:47
S87	4	("4416327").PN. OR ("5373894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:08
S88	654	centrifugal adj (fan or impeller or blower) and ((diameter or radius) near4 (heigh or length))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:09
S89	4	("4416327").PN. OR ("5373894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:09

## EAST Search History

S90	654	S88 not S89	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:13
S91	0	"417,415,418,416".clas. and S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:13
S92	189	S90 and ("417".clas. or "416".clas. or "415".clas. or "418".clas.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:14
S93	12	("1250681"   "2419411"   "3536416"   "4538963").PN. OR ("5064346").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:43
S94	1	"5803707".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:44
S95	9	("3250457"   "3263749"   "3279209"   "3857189"   "5085057").PN. OR ("5803707").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:59
S96	25	("1834959"   "2401560"   "2542121"   "2654233"   "2782611"   "2971351"   "3084522"   "3440946"   "3762182"   "4135850").PN. OR ("4553404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:04
S97	25	("0801304"   "0820398"   "0820399"   "2290423"   "3491550"   "3796511"   "4135850"   "4253796"   "4411453"   "4549848"   "4553404"   "4573869"   "4680006").PN. OR ("5570996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:07
S98	10	((TORU) near2 (TAMAGAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:30
S99	10	("0801304"   "1319364"   "1838169"   "4419049"   "4629394"   "6273679"   "6439839").PN. OR ("7217087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:31
S10 0	12	("2652190"   "3201032"   "3257071"   "3306529"   "3536416"   "6095752"   "6893220").PN. OR ("7264446").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:37
S10 1	213	((TORU) near2 (TAMAGAWA)).INV.	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:44
S10 2	0	S101 and windage	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:37

## EAST Search History

S10 3	30	((YUSUKE) near2 (YOSHIDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:39
S10 4	1	"6438820"	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:46
S10 5	1	"5354184"	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:46
S10 6	5	"5354184"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:47
S10 7	456	"windage loss" and (fan or impeller or blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:53
S10 8	1	"20050180867"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:47
S10 9	179	"windage loss" same(fan or impeller or blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:56
S11 0	28	(Nidec or Nippon) and "windage loss"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:57

## EAST Search History

S11 1	92	(US-20060013684-\$ or US-20060250039-\$ or US-20050201861-\$ or US-20020051718-\$ or US-20050201864-\$ or US-20040202540-\$ or US-20020025253-\$ or US-20070041823-\$ or US-20040245367-\$ or US-20020136634-\$ or US-20050207887-\$).did. or (US-6149406-\$ or US-3263749-\$ or US-6132186-\$ or US-5588814-\$ or US-6030286-\$ or US-6447265-\$ or US-6514052-\$ or US-2142307-\$ or US-2800272-\$ or US-RE37261-\$ or US-5403163-\$ or US-6093000-\$ or US-4659951-\$ or US-5713730-\$ or US-4859888-\$ or US-4295803-\$ or US-6004097-\$ or US-6278209-\$ or US-6176092-\$ or US-5814908-\$ or US-6267554-\$ or US-5741123-\$ or US-5573369-\$ or US-6358011-\$ or US-6279340-\$ or US-6282746-\$). did. or (US-4406585-\$ or US-5769069-\$ or US-5324178-\$ or US-6439839-\$ or US-6210101-\$ or US-6318358-\$ or US-5803707-\$ or US-4838762-\$ or US-7217087-\$ or US-6951241-\$ or US-5803721-\$ or US-6439861-\$ or US-5370509-\$ or US-6224335-\$ or US-4883982-\$ or US-6093001-\$ or US-6030173-\$ or US-5505684-\$ or US-6042335-\$ or US-5403152-\$ or US-5464325-\$ or US-3141607-\$ or US-6769876-\$ or US-6604906-\$ or US-5988979-\$ or US-4759690-\$ or US-5685696-\$). did. or (US-5476365-\$ or US-5746577-\$ or US-5373894-\$ or US-5330345-\$ or US-5340275-\$ or US-5064346-\$ or US-3536416-\$ or US-2419411-\$ or US-7144219-\$ or US-4573869-\$ or US-3796511-\$ or US-4553404-\$ or US-3804249-\$). did. or (US-3141607-\$ or US-2148254-\$ or US-2258284-\$ or US-3190543-\$ or US-3274410-\$ or US-2747512-\$ or US-3194166-\$ or US-3126832-\$ or US-2800272-\$). did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-20020088213-\$ or US-6282746-\$ or JP-2003307196-\$). did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/10/30 12:16
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## EAST Search History

S11 2	50	S111 and centrifugal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:57
S11 3	16	("2852182"   "3041050"   "3130899"   "3138319"   "3423012"   "3450337"   "4329118"   "4483268"   "4515527").PN. OR ("5476365"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:30
S11 4	36	S111 not S112	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:57
S11 5	18	("3700358"   "3858069"   "4510409"   "4536672"   "4554473"   "4554491").PN. OR ("4659951"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 13:03